1138. Ranunculus, aconiti folio, flore albo multiplici. *Ibid.*
1139. ——————— pratenſis, erectus, acris, flore pleno. *Ibid.*
1140. Rhus *Virginiana*, ſparſa panicula ramis patulis glabris. *Hort. Elth.*
1141. Saxifraga pratenſis, flore pleno.
1142. Smilax humillima unifolia. *Tourn.*
1143. Scabioſa peregrina, capite oblongo nigricante, Zibethi odore. *C. B.*
1144. Siliqua dulcis. *C. B.* & Off.
1145. Spiræa, Hyperici folio. *Tourn.*
1146. ——————, Opuli folio. *Ibid.*
1147. ——————, Salicis folio. *Ibid.*
1148. Tagetes minor, flore ſimplici ſtriato. *Ibid.*
1149. Verbena tenuifolia. *C. B.*
1150. Xeranthemum flore albo pleno. *Hort. Lug. Bat.*

VIII. *Part of a Letter from Mr.* George Howell, *Surgeon, at* Haverfordweſt, *to Mr.* W. Watſon, *F. R. S. concerning the extracting a large Stone by an Aperture in the* Urethra.

Read June 5. 1746. JOHN COD, of the Pariſh of *Roch*, in the County of *Pembroke*, aged 40, was from his Infancy troubled with nephritic Complaints, and frequent Obſtructions of Urine. He, at 25 Years of Age, had a total Suppreſſion of Urine for ſome Days; when, upon a Stone's ruſhing out

of the Bladder into the *Urethra*, he had immediate Eaſe from his Pain; and was therefore negligent concerning its Extraction from thence.

Five Years after, he married; the Stone remaining in the *Urethra*; which was then (as he imagines) about the Size of a Walnut.

In the Space of four Years, his Wife brought him two Children. About that time he ſent for me, and wanted me to diſſolve the Stone; he having juſt then read ſome Treatiſes ſpeaking largely of the Powers of lithontriptic Medicines. I told him, that, admitting the Power of the Diſſolvents of the Stone might be very conſiderable, when the Stone was in the Bladder, and might be ſurrounded by the medicated Urine, very little was to be expected in the Poſture the Stone then lay; but, if he was willing to have it cut out, I would undertake the Operation. This he would by no means conſent to; and ſo we parted at that time. I heard no more from him for ſix Years.

In *Auguſt* laſt I had a Meſſage from his Family, deſiring my Aſſiſtance, they believing him dying; he having had a total Suppreſſion of Urine between three or four Days.

Juſt as the Servant was coming with the Meſſage, his Urine had forced a Paſſage through the ſuperior Part, or *Dorſum Penis*, and had flowed out plentifully.

Upon my coming to him, I propoſed cutting out the Stone; his Anſwer was, he would ſubmit to whatever I ſhould think neceſſary; he being now convinced, that, if he were not ſpeedily relieved, his Death would be inevitable.

The

The whole Quantity of Urine, which was contained in the Bladder, had made its Way through the new Opening in the Back of the *Penis*; and therefore, at preſent, the Inflammation of the *Penis* being very violent, I deferred the Operation, and only applied a Fomentation and Cataplaſm, to take off that Inflammation.

I returned in two Days; and, by an Inciſion into the *Urethra* near three Inches long, I extracted the Stone, which had been there fifteen Years. It weighed two Ounces and half, and meaſured ſix Inches round, in the Direction it lay in the *Penis*. About fifty ſmall Stones lay between this great one and the Bulb of the *Urethra*. Theſe came forth from this Inciſion. After this, I put in five Pins, and made the twiſted Suture, and then introduced a leaden *Canula*.

The Urine paſſed regularly two Days; when an Inflammation came on, which tore out all the Stitches. I tried once more, and took the greateſt Hold poſſible; but the *Urethra* was ſo tender, that my Endeavours to unite the Lips of the Wound were fruitleſs.

The Man was glad to compound for Life, even with the Loſs of the *Penis*, if that were neceſſary, which the Stone had increaſed to an enormous Bulk. But, after my attending and dreſſing him about two Months, the Orifice, through which the Stone was extracted, was reduced to half an Inch in Length from the *Frænum* backwards. But altho' I introduced a leaden Pipe near three Inches long into the *Urethra*, the Urine never came through the natural Orifice, but ſtill continues to paſs through the Aperture.

The Paſſage in the Back of the *Penis*, made by the Urine before the Operation, heal'd up kindly. He has ſince been much rejoiced, that the Inciſion could not be healed, becauſe he has lately voided ſeveral large Stones that Way; which he moſt probably muſt have been cut for again, had that been cloſed.

For ſeveral Years his Urine did not drop, but by the Introduction of a knitting Needle, or ſuch-like Inſtrument, which would move the Stone: And this Operation generally took up two Hours every Morning.

You will ſee eaſily which Way the Stone lay in the *Penis*, by obſerving ſome Holes therein, which the Patient had made with the knitting Needle, hoping to puſh through it in time. Theſe Holes are in the Fore-Part, or againſt the natural Orifice. The other End you will find quite poliſhed, by the Friction of the ſmall Stones againſt it. The ſuperior Part is like the *Glans Penis:* If you place the Stone upon a Table, and obſerve it at a ſmall Diſtance, it ſeems not unlike a *Glans* cut off, only larger.

I ſhall give you no further Trouble upon this Account; but ſhall only mention, that, a Fortnight after the Operation, his Wife was deliver'd of a third Child. She has the Character of a very virtuous Woman; but how the *ſemen in coitu* could paſs by this Stone, when the Urine could not, but with ſuch Difficulty, I do not pretend to determine.